



ELIZADE UNIVERSITY

ILARA-MOKIN

FACULTY: BASIC AND APPLIED SCIENCES
DEPARTMENT: MATHEMATICS AND COMPUTER SCIENCE
1st SEMESTER EXAMINATION
2016 / 2017 ACADEMIC SESSION

COURSE CODE: CSC 303

COURSE TITLE: Object Oriented Programming

COURSE LEADER: Dr. Festus Ayetiran

DURATION: 2 Hours

HOD's SIGNATURE

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INSTRUCTION:

Candidates should answer any **THREE** Questions.

Students are warned that possession of any unauthorized materials in an examination is a serious assessment offence

Students are permitted to use **ONLY** a scientific calculator.

1. (a) Briefly discuss the object-oriented paradigm
(b) Differentiate between an object and a class
2. Consider the following class with encapsulated methods:

```
public class AccountDetails{  
    private String AccountName;  
    private Int AccountNumber;  
    private Float AccountBalance;  
    public String getAccountName( ) {  
        return AccountName;  
    }  
    public Int getAccountNumber( ) {  
        return AccountNumber;  
    }  
    public Float getAccountBalance() {  
        return AccountBalance;  
    }  
}
```

Modify it to make it accessible to the user(s) by writing corresponding setter methods and populate fields with values.

3. (a) In the context of OOP, explain the term inheritance.
(b) Write a program to illustrate the principle of inheritance.
4. Explain, also with examples the following types of polymorphisms:
(i) Method overriding (b) Method overloading
5. Explain, also with examples the following:
(i) Static binding (ii) Dynamic binding